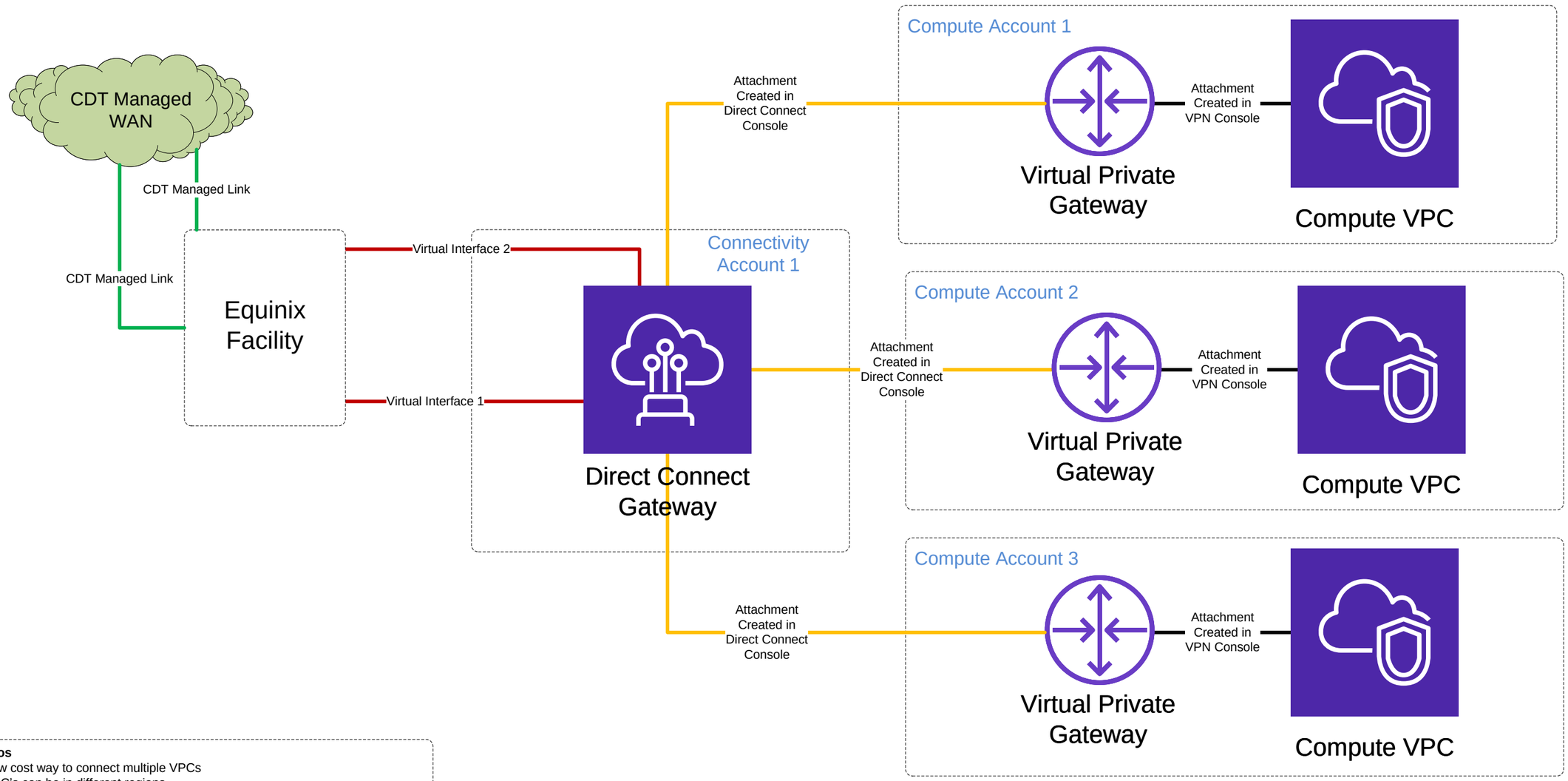
AWS CPI Connection Options
DX-GATEWAY



Pros
Low cost way to connect multiple VPCs
VPC's can be in different regions
VPC's can be in different accounts

Cons
Does not scale beyond 10 VPCs
VPCs can not be put in different VRF's on prem
VPCs have to come back on prem to talk to each other (without VPC peer)

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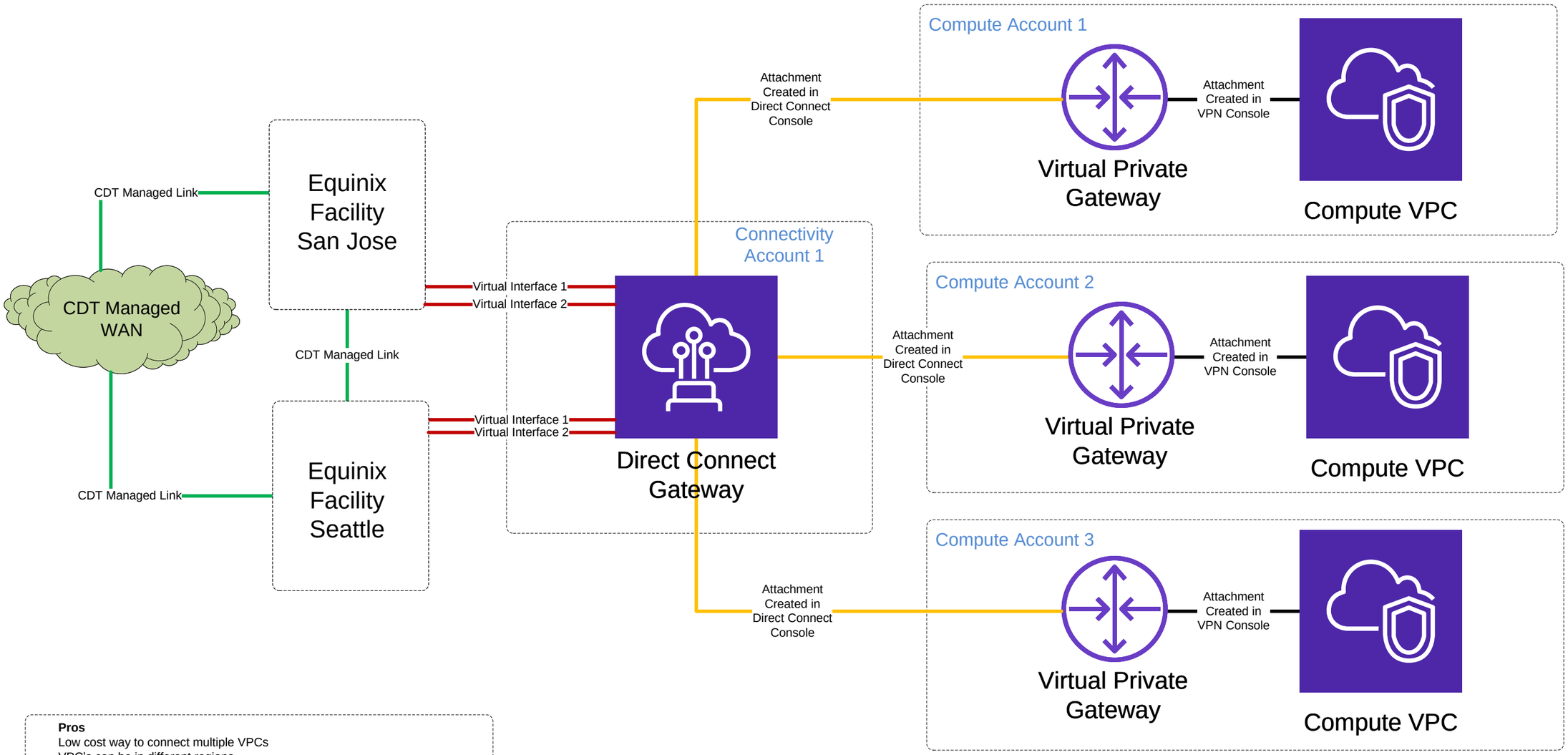
AWS CPI Connection Options
DX-GATEWAY-REGION



Pros
Low cost way to connect multiple VPCs
VPC's can be in different regions
VPC's can be in different accounts
Geographic Redundancy for CPI Connectivity

Cons
Does not scale beyond 10 VPCs
VPCs can not be put in different VRF's on prem
VPCs have to come back on prem to talk to each other (without VPC peer)

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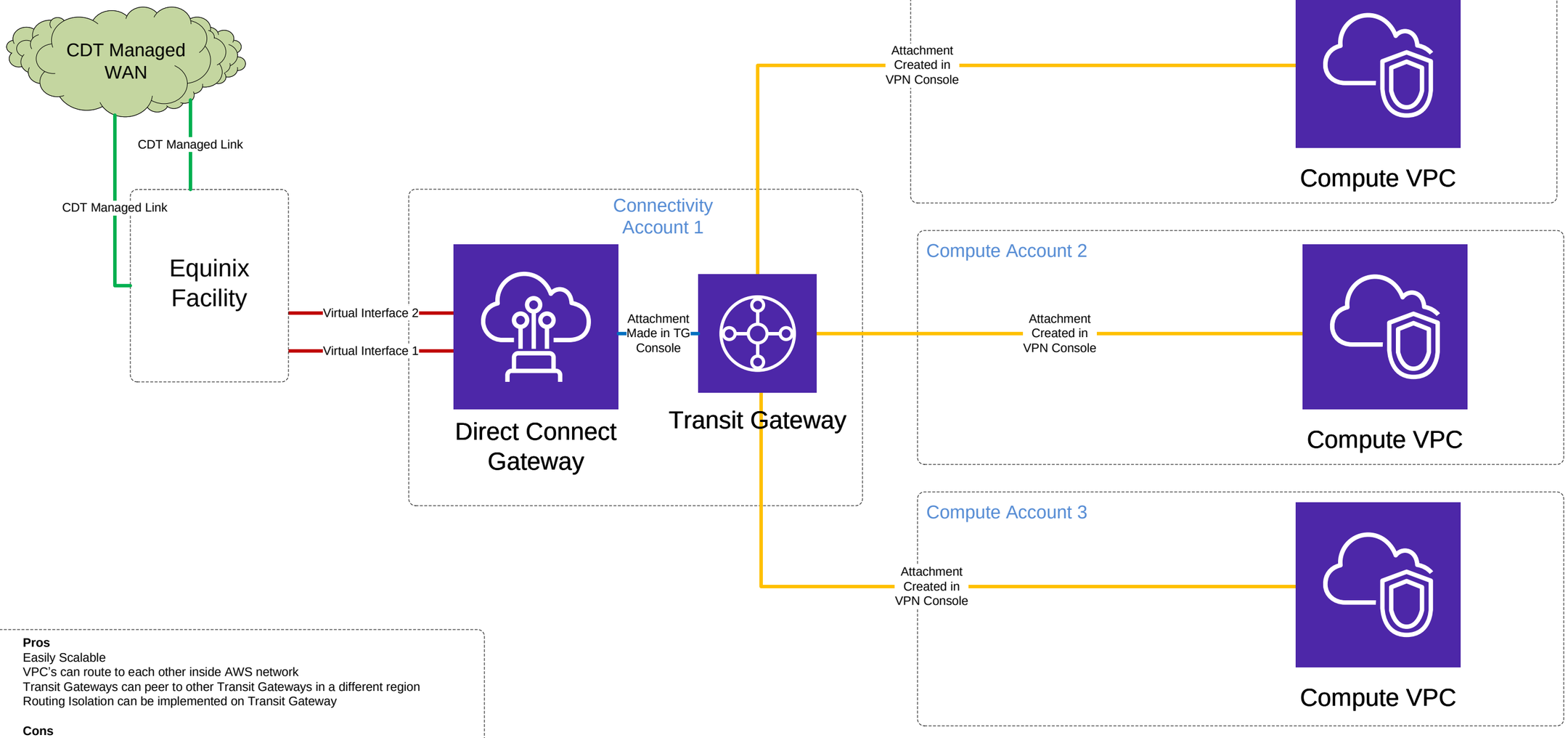
AWS CPI Connection Options
DX-TG



Pros
Easily Scalable
VPC's can route to each other inside AWS network
Transit Gateways can peer to other Transit Gateways in a different region
Routing Isolation can be implemented on Transit Gateway

Cons
Dedicated hand off needed, with additional cost
Additional AWS costs for data transfer on transit gateway
VPCs can not be put in different VRF's on prem
VPCs must be in the same region as the transit gateway they attach to

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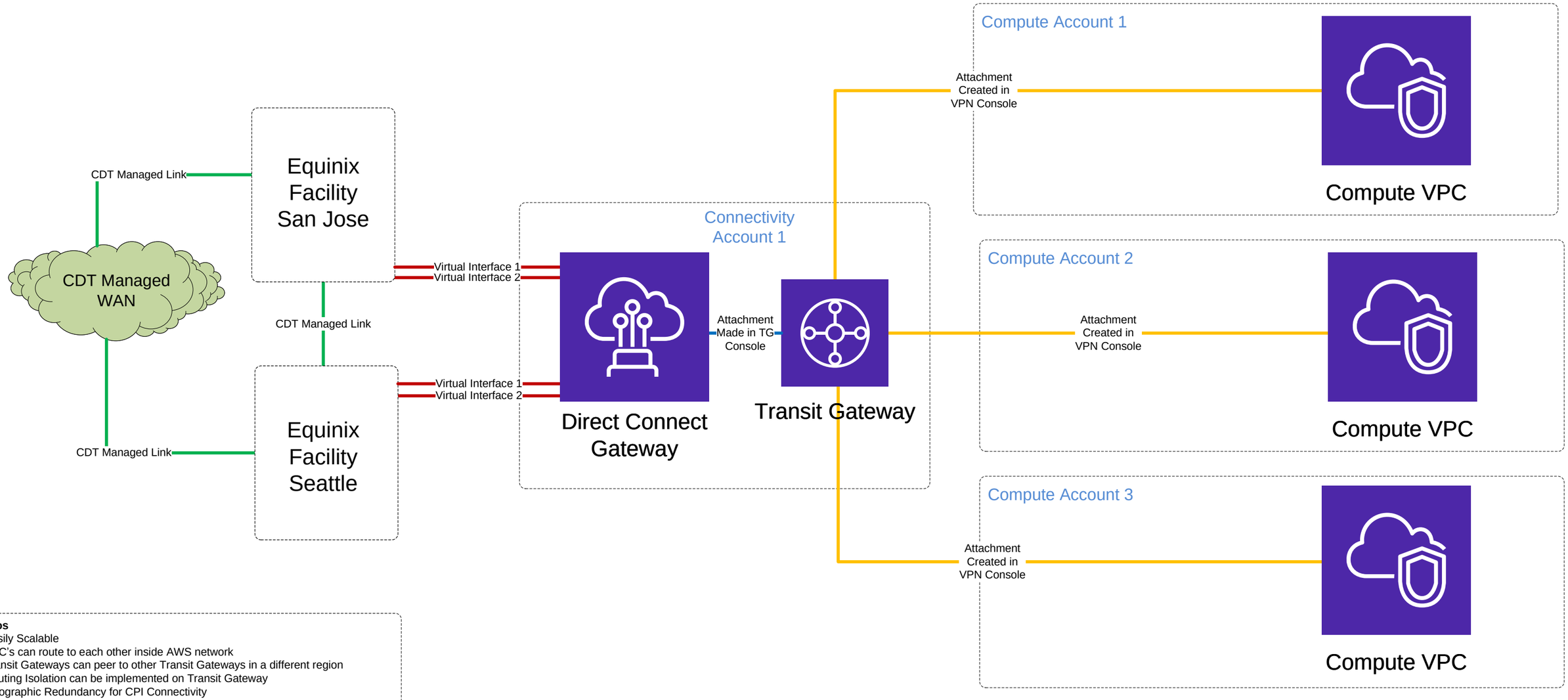
AWS CPI Connection Options
DX-TG-REGION



Pros
Easily Scalable
VPC's can route to each other inside AWS network
Transit Gateways can peer to other Transit Gateways in a different region
Routing Isolation can be implemented on Transit Gateway
Geographic Redundancy for CPI Connectivity

Cons
Transit Gateway is Regional
Dedicated hand off needed, with additional cost
Additional AWS costs for data transfer on transit gateway
VPCs can not be put in different VRF's on prem
VPCs must be in the same region as the transit gateway they attach to

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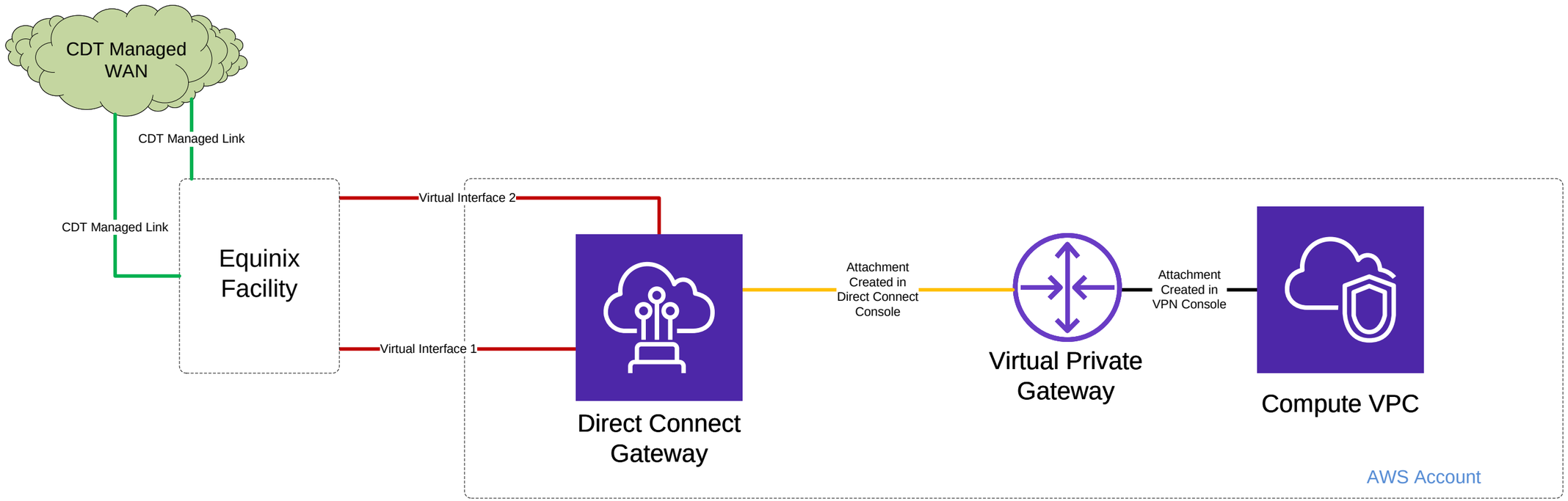
AWS CPI Connection Options
DX-SINGLE



Pros
Self contained environment
Easy Deployment

Cons
Network functions inside same account as compute

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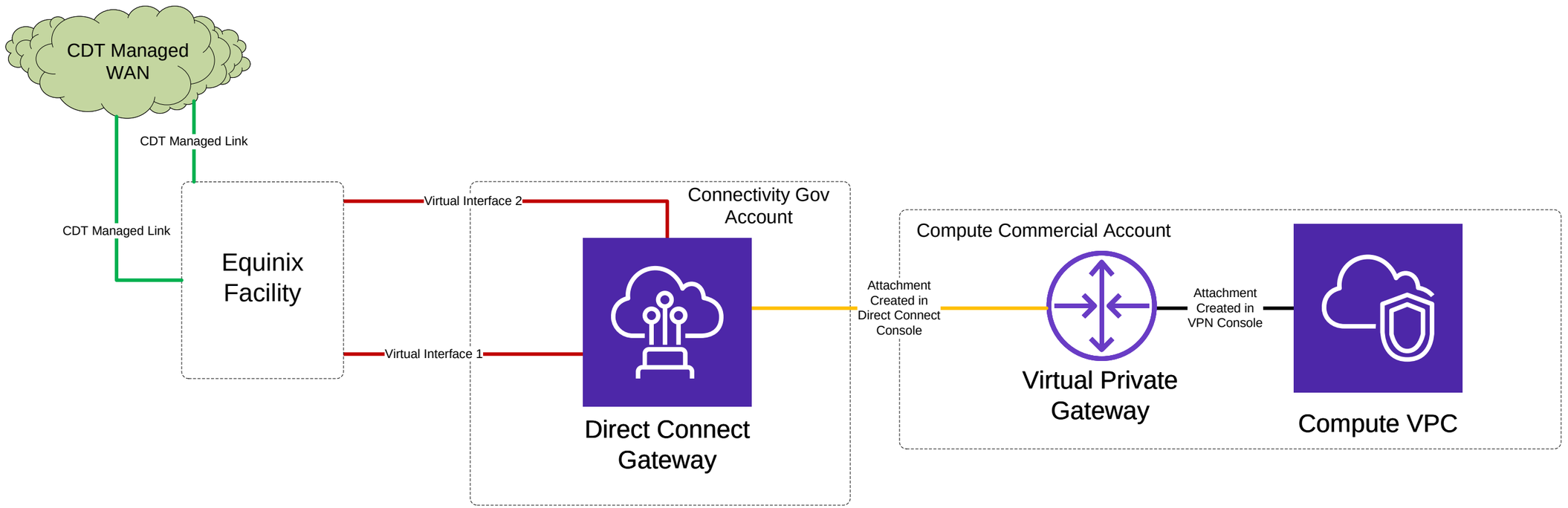
AWS CPI Connection Options
(LEGACY) – DX-GOV-COMMERCIAL



Legacy

No new provisioning

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